

Memorandum

Date : December 11, 2001

Telephone: (916) 651-8839

File: Inland Empire Riverside

To: William J. Keese, Chairman
Michal C. Moore, Ph.D
Robert A. Laurie
Robert Pernell
Arthur H. Rosenfeld, Ph.D

From: California Energy Commission
1516 Ninth Street
Sacramento, CA 95814-5512

Subject: **INLAND EMPIRE ENERGY CENTER REVISED DATA ADEQUACY
RECOMMENDATION (01-AFC-17)**

On August 17, 2001, Inland Empire Energy Center LLC filed an Application for Certification (AFC) for the Inland Empire Energy Center. At the business meeting on September 25, the commission found the AFC incomplete for both the 6- and 12-month licensing processes.

Per conversations on November 30, 2001, the applicant indicated they were dropping their request for a 6-month review of the AFC and are now seeking approval under the 12-month licensing process only. Supplemental data adequacy material was submitted on December 6, 2001. After review of the supplemental material, staff believes the AFC now meets the requirements of the Cal. Code of Regulations, Title 20, § 1704, Appendix B for the 12-month process. Attachment A contains a revised overview of the technical disciplines evaluated, and Attachment B contains staff's revised detailed data adequacy worksheets of those disciplines that are now data adequate.

At the Energy Commission's business meeting on December 19, 2001, I will be recommending that the Energy Commission accept the AFC for the 12-month process.

If you have any questions, please call Jim Bartridge, Energy Commission's Project Manager, at (916) 651-8839.

STEVE LARSON
Executive Director

Attachments

cc: Andrea Grenier, Argonaut Consulting
Gregory Lamberg, Calpine
Michael Hatfield, Calpine

**ATTACHMENT A
OVERVIEW OF ENERGY COMMISSION STAFF'S
DATA ADEQUACY DETERMINATION
Inland Empire Energy Center
01-AFC-17**

TECHNICAL AREA	ATTACHMENT PAGE NO.	ADEQUATE? 12-MONTH
Air Quality	1	Yes
Biological Resources	9	Yes
Cultural Resources	13	Yes
Facility Design	16	Yes
Land Use	20	Yes
Noise	23	Yes
Project Overview	26	Yes
Public Health	30	Yes
Socioeconomics	32	Yes
Traffic and Transportation	38	Yes
Transmission System Engineering	41	Yes
Visual Resources	44	Yes

ATTACHMENT B

**ENERGY COMMISSION STAFF'S
List of Data Inadequacies**

**Inland Empire Energy Center
01-AFC-17**

December 7, 2001

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 12/11/01

Technical Area: Air Quality

Project: Inland Empire Energy Center

Technical Staff: Walters/Birdsall

Project Manager: James Bartridge

Docket: 01-AFC-17

Technical Senior: Matt Layton

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§5.2.1 Pages 5.2-1 to -6 §5.2.2 Pages 5.2-7 to -25 §5.2.3 Pages 5.2-26 to -59 §5.2.4 Page 5.2-59 Table 5.2-32 Page 5.2-56 Appendix K.2, Pages K.2-2 to -3	NoYes	A description of the proposed construction PM10 emission mitigation measures, including a description of their effectiveness and proposed verification monitoring plans. Information provided in the DA Response #1, AQ (in CEC Dockets 12/4/01) is adequate.
Appendix B (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.	N/A	NoYes	The District will file the completeness letter within 30 days of receiving the PDOC/ATC application. The Applicant plans to submit the permit application on 8/30/01. The South Coast Air Quality Management District issued a letter of completeness on November 21, 2001.
Appendix B (g) (8) (B)	The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	Table 5.2-15 Page 5.2-27 Table 5.2-19,20 Page 5.2-29 §3.8 Pages 3-54,55 Appendix K-5 Electronic Filing on CD	Yes	
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	§5.2.5.2.5 Pages 5.2-54 to -56 Appendix K-7	Yes	
Appendix B (g) (8) (D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	§3.4.3.5 Page 3.4-15 Table 3.4-5 Page 3.5-26 Appendix K-3 Table K.3-7	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

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Project: Inland Empire Energy Center

Technical Staff: Walters/Birdsall

Project Manager: James Bartridge

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Appendix B (g) (8) (E)	The emission rates of criteria pollutants from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all secondary emission sources.	§5.2.3.2.1 Pages 5.2-27 to -31 Tables 5.2-16 to -21 Appendix K-3	NoYes	An estimate of criteria air contaminant emissions from secondary sources (i.e. ammonia delivery and other routine deliveries, etc.) Information provided in the DA Response #3, AQ (in CEC Dockets 12/4/01) is adequate.
Appendix B (g) (8) (F)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	§5.2.1.2 Page 5.2-2 §5.2.3.2.1 Pages 5.2-27 to -31 Tables 5.2-16 to -21 Appendix K-3	Yes	
Appendix B (g) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	§5.2.1.1 Pages 5.2-1,2 §5.2.2.4 Pages 5.2-15 to -25 Tables 5.2-7 to -14 Figures 5.2-6 to 5.2-15	NoYes	Please provide the ambient concentration data for each pollutant (sulfates, lead and PM2.5 excluded) measured at the three closest monitoring stations, or explain why information from other stations is unnecessary. Information provided in the DA Response #4, AQ (in CEC Dockets 12/4/01) is adequate.
Appendix B (g) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.	Electronic Filing on CD	Yes	
Appendix B (g) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995), which is incorporated by reference in its entirety.)	N/A	Yes	

Adequacy Issue: Adequate **X** Inadequate

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Appendix B (g) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	Electronic Filing on CD Appendix K-1	Yes	
Appendix B (g) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:			
Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM ₁₀) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO _x), sulfur dioxide (SO ₂), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM ₁₀)] from construction-related equipment;	Appendix K-2 Electronic Filing on CD	Yes	
Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO _x , SO ₂ , CO and PM ₁₀) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	§5.2.1.6 Pages 5.2-4,5 §5.2.3.2.2 Pages 5.2-32 to -51 Tables 5.2-22 to -30 Appendix K-5, K-6 Electronic Filing on CD	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

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Technical Area: Air Quality

Project: Inland Empire Energy Center

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Project Manager: James Bartridge

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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (I) (iii)	A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	Appendix K-8	Yes	
Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:			
Appendix B (g) (8) (J) (i)	The quantity of offsets needed;	5.2.3.2.5 Page 5.2-56,57 Table 5.2-32 Page 5.2-56 Appendix K-3 Tables K-3-8,9	Yes	
Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and	Appendix K-10	NoYes	Potential offset sources, including location, and quantity of emission reductions for all pollutants being offset. Information provided in the Confidential Filing (11/30/01) is adequate.
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	Appendix K-10	NoYes	Method of emission reduction for offset sources for all pollutants being offset. Information provided in the Confidential Filing (11/30/01) is adequate.
Appendix B (g) (8) (K)	A topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.	Figures 5.15-1,2	Yes	

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Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.2-40 Pages 5.2-73 to – 78 Table 6.1-1 Pages 6-7,8	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.2-40 Pages 5.2-73 to - 78 Table 6.1-1 Pages 6-7,8	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	§5.2.3.2.5 Pages 5.2-51 to-58 §5.2.6 Pages 5.2-59 to-71 Table 6.1-1 Pages 6-7,8	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.2-39 Page 5.2-73	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	§5.2.8 Table 5.2-40 Pages 5.2-73 to –78	NoYes	The steps taken to obtain necessary permits and an estimated schedule of when the permits will be obtained. Information provided in the DA Response #7, AQ (in CEC Dockets 12/4/01) is adequate.

Adequacy Issue: Adequate **x** Inadequate _____

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 10, 2001

Technical Area: **Biological Resources**

Project: Inland Empire

Technical Staff: Natasha Nelson
Shari Koslowsky

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Site conditions: Section 5.3.3, Pages 5.3-15 to 28 Impacts discussion: Section 5.2.3.2.2, Pages 5.2-44 and -45; Section 5.3.4, Pages 5.3-28 to -37; Section 5.3.6, Page 5.2-39; Table 3.7-4, Page 3-54 Mitigation: Section 5.3.5, Pages 5.3-37 to -38 Monitoring: Section 5.3.5, Pages 5.3-37 to -38	Yes Yes Yes Yes	
Appendix B (g) (13) (A)	A regional overview and discussion of biological resources, with particular attention to sensitive biological resources near the project, and a map at a scale of 1:100,000 (or some other suitable scale) showing their location in relation to the project.	Regional overview: Section 5.3.1, Page 5.3-1 1:100,000 (or suitable scale) map: Figure 5.3-1, Page 5.3-2	Yes Yes	
Appendix B (g) (13) (B)	A discussion and detailed maps at a scale of 1:6,000, of the biological resources at the site of the proposed project and related facilities, and in areas adjacent to them, out to a mile from the site and 1000 feet from the outer edge of linear facility corridors. Include a list of the species actually observed and those with a potential to occur. The discussion and maps shall address the distribution of community types, denning or nesting sites, population concentrations, migration corridors, breeding habitats, and the presence of sensitive biological resources.	Detailed map and discussion: Section 5.3.3, Pages 5.3-15 to 28; Figures 5.3-2A,B, and C, Page 5.3-13; Figures A to D in Appendix J-6 Lists of species seen and those expected to occur in the project area: Table 5.3-1, Pages 5.3-8 to -12; Table 5.3-3, Pages 5.3-16 and -17; Table 5.3-6, Pages 5.3-20 and -21; Table 5.3-8, Page 5.3-26 Discussion of distribution: Section 5.3.3.4, Pages 5.3-24 to 28	Yes Yes Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

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Project Manager: Jim Bartridge

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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (C)	A description of all studies and surveys used to provide biological information about the project site, including seasonal surveys and copies of the California Department of Fish and Game's Natural Diversity Data Base Survey Forms, "California Native Species Field Survey Forms", and "California Natural Community Field Survey Forms", completed by the applicant. Include the dates and duration of the studies, methods used to complete the studies, and the names and qualifications of individuals conducting the studies.	Study description: Section 5.3.2.2, Pages 5.3-4 to-6; Section 5.3.2.6, Page 5.3-6; Section 5.3.3.4, Pages 5.3-24 to -28; Appendix J-1 CNDDDB forms: Appendix J-3; and Appendix J-5 Names/qualifications of those completing studies: Section 5.3.3.5, Pages 5.3-24 to -28; Appendix J-2	Yes Yes Yes	
Appendix B (g) (13) (D)	A discussion of all permanent and temporary impacts to biological resources from site preparation, construction activities, and plant operation. Discussion of impacts must consider impacts from cooling tower drift, and from the use and discharge of water during construction and operation. For facilities which use once-through cooling or take or discharge water directly from or to natural sources, discuss impacts resulting from entrainment, impingement, thermal discharge, effluent chemicals, type of pump (if applicable), temperature, volume and rate of flow at intake and discharge location, and plume configuration in receiving water.	Permanent/temporary impacts discussion: Section 5.3.4, Pages 5.3-28 to -37 Project emissions and cooling tower drift study: Section 5.3.4.3, Pages 5.3-35 to -37 Use and discharge of water: Not applicable Once-through cooling discussion: Not applicable	Yes Yes N/A N/A	Water remains in a closed system of municipal pipelines.
Appendix B (g) (13) (E)	A discussion of the following:			
Appendix B (g) (13) (E) (i)	All measures proposed to avoid and/or reduce any adverse impacts;	Section 5.3.5, Pages 5.3-37 and -38	Yes	
Appendix B (g) (13) (E) (ii)	All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and	Section 5.3.1, Page 5.3-3; Section 5.3.5, Pages 5.3-37 and -38	Yes	

Adequacy Issue: Adequate **x** Inadequate _____

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Project: Inland Empire

Technical Staff: Natasha Nelson
Shari Koslowsky

Project Manager: Jim Bartridge

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Appendix B (g) (13) (E) (iii)	Any educational programs proposed to enhance employee awareness in order to protect biological resources.	Section 5.3.5, Page 5.3-37	Yes	
Appendix B (g) (13) (F)	A discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation measures incorporated into the project.	Section 5.3.5, Page 5.3-38	Yes	
Appendix B (g) (13) (G)	A discussion of native fish and wildlife species of commercial and/or recreational value that could be impacted by the project.	Response #13 from Supplement	No Yes	Please submit a discussion of the commercial and recreational species in the area and any potential impacts to these species.
Appendix B (g) (13) (H)	For purposes of this section, sensitive biological resources are one of the following:			
Appendix B (g) (13) (H) (i)	Species listed under state or federal Endangered Species Acts;	Table 5.3-1, Pages 5.3-8 to -12	Yes	
Appendix B (g) (13) (H) (ii)	Resources defined in sections 1702 (q) and (v) of Title 20 of the California Code of Regulations; and	Section 5.2.3.2.2, Pages 5.2-44 and -45; Table 5.3-1, pp. 5.3-8 to -12; Table 5.3-5, Page 5.3-20; Table 5.3-7, Page 5.3-22	Yes	
Appendix B (g) (13) (H) (iii)	Species or habitats identified by legislative acts as requiring protection.	Table 5.3-1, Pages 5.3-8 to -12; Table 5.3-5, Page 5.3-20	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 6.1-1, Page 6-9	Yes	

Adequacy Issue: Adequate **x** Inadequate _____

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 10, 2001

Technical Area: **Biological Resources**

Project: Inland Empire

Technical Staff: Natasha Nelson
Shari Koslowsky

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Jim Brownell

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Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 6.1-1, Page 6-9	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	LORS conformity: Section 5.3.1, Page 5.3-3; Section 5.3.7.3, Page 5.3-41	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.3-12, Page 5.3-42	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.3-13, Page 5.3-42	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 8/31/01 10/29/01

Technical Area: **Cultural Resources**

Project: Inland Empire Energy Center

Technical Staff: Gary Reinoehl

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.16.1, 5.16.2, 5.16.3, and 5.16.4.	Yes	
Appendix B (g) (2) (A)	A brief summary of the ethnology, prehistory, and history of the region in which the project site and related facilities are located and maps at a scale of 1:24,000, indicating areas of ethnographic occupation. The region may vary depending on the extent of the territory occupied or used by prehistoric cultures indigenous to the area in which the project is located.	Section 5.16.1.1, 5.16.1.3, and 5.16.4. Figure 5.16-1	Yes	
Appendix B (g) (2) (B)	A description of all literature searches and field surveys used to provide information about known cultural resources in the project vicinity. If survey records of the area potentially physically affected by the project are not available, and the area has the potential for containing significant cultural resources, the applicant shall submit a new or revised survey for any portion of the area lacking comprehensive survey data. A discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualification of the individuals conducting the surveys shall be included.	Section 5.16.1.5 AFC Supplement	No Yes	The applicant states on page 5.16-19 of the AFC that the wooden poles will be removed from the interconnection point and replaced with steel towers to the Valley Substation. Please provide the results of a cultural resources survey, conducted by an architectural historian or an historian with a background in industrial or architectural history, of the transmission line that will be affected by the project, and the Valley Substation. Please provide copies of the technical survey reports by the appropriate specialists for the project area and the project components.

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 8/31/01 10/29/01

Technical Area: **Cultural Resources**

Project: Inland Empire Energy Center

Technical Staff: Gary Reinoehl

Project Manager: Jim Bartridge

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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (2) (C)	A discussion of the sensitivity of the project area described in subsection (g)(2)(A) and the presence and significance of any known archeological sites and other cultural resources that may be affected by the project. Information on the specific location of archeological resources shall be included in a separate appendix to the application and submitted to the Commission under a request for confidentiality pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Section 5.16.1.2 AFC Supplement	NoYes	The applicant states on page 5.16.19 of the AFC that the wooden poles will be removed from the interconnection point and replaced with steel towers to the Valley Substation. If the power line and/or the Valley Substation are over 45 years of age, please provide site records (DPR Forms 523A, 523B, and 523J) for the cultural resources that will be affected by the project. Please provide significance evaluation for all cultural resources that can be affect by the project. Ensure that the appropriate specialist for the resource type evaluates the resources. Please use current CEQA law and the California Register criteria.
Appendix B (g) (2) (D)	A summary of contacts and communications with, and responses from, Native American representatives who may have an interest in heritage lands and/or resources potentially affected by the proposed project.	Section 5.16.1.5 Appendix L-2	Yes	
Appendix B (g) (2) (E)	In the discussion on mitigation and monitoring prepared pursuant to subsection (g)(1), a discussion of any educational programs proposed to enhance awareness of potential impacts to archeological resources by employees and contractors, measures proposed for mitigation of impacts to known cultural resources, and a set of contingency measures for mitigation of potential impacts to previously unknown cultural resources.	Section 5.16.4	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 1 Date ~~8/31/01~~ 10/29/01

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Project: Inland Empire Energy Center

Technical Staff: Gary Reinoehl

Project Manager: Jim Bartridge

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Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 6.1-1 Section 5.16.5	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 6.1-1 Section 5.16.6 and Table 5.16-2	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.16.4 and 5.16.5	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.16-2	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date ~~August 30, 2001~~
October 12, 2001

Technical Area: Facility Design Project: Inland Empire Energy Center Technical Staff: Brian Payne
Project Manager: Jim Bartridge Docket: 01-AFC-17 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	See Water Resources		
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	See Water Resources		
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	See Water Resources		
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	See Water Resources		
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	See Water Resources		
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 6.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 6.1-1	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date ~~August 30, 2001~~
October 12, 2001

Technical Area: **Facility Design** Project: Inland Empire Energy Center Technical Staff: Brian Payne
Project Manager: Jim Bartridge Docket: 01-AFC-17 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	§ 3.4 (Page 3-4) § 3.11.1 (Page 3-70) § 3.11.2 (Page 3-71) § 3.11.3 (Page 3-71) § 3.11.4 (Page 3-71) § 5.5.5 (Page 5.5-23) Appendix A Appendix B Appendix C Appendix D Appendix E	Yes	
Appendix B (h) (3)	The name, title, telephones number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	§ 5.5.6 (Page 5.5-24) Table 5.5-4	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	§ 5.5.7 (Page 5.5-24) Table 5.5-5	Yes	
Appendix B (i) (1) (A)	A description of the site conditions and investigations or studies conducted to determine the site conditions used as the basis for developing design criteria. The descriptions shall include, but not be limited to, seismic and other geologic hazards, adverse conditions that could affect the project's foundation, adverse meteorological and climatic conditions, and flooding hazards, if applicable.	§ 1.8.5 (Page 1-7) § 5.5 (Page 5.5-1 to 25) Appendix G	Yes	
Appendix B (i) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	§ 5.5.3 (Page 5.5-22 to 23)	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date ~~August 30, 2001~~
October 12, 2001

Technical Area: **Facility Design** Project: Inland Empire Energy Center Technical Staff: Brian Payne
Project Manager: Jim Bartridge Docket: 01-AFC-17 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	§ 3.5 (Page 3-41 to 43) Appendix A, Appendix B (Revised – Attachment 4) Appendix C Appendix D Appendix E	NoYes	The design criteria, loading conditions and loading combinations are not included in the Appendices.
Appendix B (i) (1) (D)	For each of the following facilities and/or systems, provide a description including drawings, dimensions, surface-area requirements, typical operating data, and performance and design criteria for protection from impacts due to adverse site conditions:			
Appendix B (i) (1) (D) (i)	The power generation system;	§ 1.5.2 (Page 1-3) § 1.5.3 (Page 1-3) § 3.4 (Page 3-4 to 41) Figure 3.3-1 Figure 3.3-2 Figure 3.4-1 Figure 3.4-2 Figure 3.4-3 Figure 3.4-4 Figure 3.4-5	Yes	
Appendix B (i) (1) (D) (ii)	The heat dissipation system;	§ 3.4.2 (Page 3-4 to 12) § 3.4.3.2 (Page 3-13 to 14) § 3.4.3.5 (Page 3-15) Figure 3.3-2 Table 3.4-1	Yes	
Appendix B (i) (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	§ 3.4.9 (Page 3-20 to 28) Figure 3.4-6 Figure 3.4-7 Table 3.4-3 Figure 3.2-2	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date ~~August 30, 2001~~
October 12, 2001

Technical Area: **Facility Design** Project: Inland Empire Energy Center Technical Staff: Brian Payne
Project Manager: Jim Bartridge Docket: 01-AFC-17 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (D) (iv)	The atmospheric emission control system;	§ 3.4.12 (Page 3-34 to 38) § 5.2 (Page 5.2-1 to 79)	Yes	
Appendix B (i) (1) (D) (v)	The waste disposal system and on-site disposal sites;	§ 3.4.10 (Page 3-28 to 30) § 3.4.11 (Page 3-30 to 3-34) Table 3.4-6 Table 3.4-7	Yes	
Appendix B (i) (1) (D) (vii)	The geothermal resource conveyance and re-injection lines (if applicable);		NA	
Appendix B (i) (1) (D) (viii)	Switchyards/transformer systems; and	§ 3.4.4 (Page 3-16) § 3.4.5 (Page 3-16) § 3.4.6 (Page 3-16 to 18) § 3.4.7 (Page 3-18 to 19) Figure 3.4-5	Yes	
Appendix B (i) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.	§ 3.10.3 (Page 3-62 to 65) Figure 3.10-2 (Compressor Station Plot Plan) § 3.4.9.1 (Page 3-23 to 24 Recycled Water Pump Station) § 3.4.9.2 (Page 3-24 to 25 Raw Water Pump Station)	Yes	

Adequacy Issue: Adequate **X** Inadequate **X-**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date ~~October 15, 2001~~
November 1, 2001

Technical Area: **Land Use**

Project: Inland Empire Energy Center

Technical Staff: Amanda Stennick
Michael Berman

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.7	Yes	
Appendix B (g) (3) (A)	A discussion of existing land uses and current zoning at the site, land uses and land use patterns within one mile of the proposed site and within one-quarter mile of any project-related linear facilities. Include:	Page 5.7-17 through 5.7-18 Tables 5.7-1 through -3 Figures 5.7-1 through 5.7-4C	Yes	
Appendix B (g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	Figures 5.7-4A, B, and C Table 5.7-3	Yes	
Appendix B (g) (3) (A) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	Table 5.7-4	Yes	
Appendix B (g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and	Table 5.7-4	Yes	
Appendix B (g) (3) (A) iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	Figures 5.7-1 through 5.7-4C/Figure 5.7-3A	No Yes	Figures do not differentiate between General Plan Land Use Designations and zoning designations. Please provide a map that clearly delineates and identifies all existing zoning classifications within the study area.

Adequacy Issue: Adequate **X** Inadequate **X-**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date ~~October 15, 2001~~
November 1, 2001

Technical Area: **Land Use**

Project: Inland Empire Energy Center

Technical Staff: Amanda Stennick
Michael Berman

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (3) (B)	A discussion of the compatibility of the proposed facilities with present and expected land uses, and conformity with any long-range land use plans adopted by any federal, state, regional, or local planning agency. The discussion shall identify the need, if any, for variances or any measures that would be necessary to make the proposal conform with permitted land uses	Sections 5.7.1.2 through 5.7.2.2	Yes	
Appendix B (g) (15) (B)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	Figures 5.7-1 through 5.7-4C	Yes	
Appendix B (g) (15) (B) (i)	Crop types, irrigation systems, and any special cultivation practices; and	Section 5.6.2.1 Table 5.6-2	Yes	
Appendix B (g) (15) (B) (ii)	Whether farmland affected by the project is prime, of statewide importance, or unique as defined by the Natural Resource Conservation Service of the California Department of Conservation.	Sections 5.7.1.2 and 5.6.2.2	Yes	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This decision shall include:	See below	Yes	
Appendix B (g) (15) (C) (ii)	Direct and indirect effects on agricultural land uses; and	Section 5.6.2.1	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 6.1-1	Yes	

Adequacy Issue: Adequate **X** Inadequate **X-**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date ~~October 15, 2001~~
November 1, 2001

Technical Area: **Land Use**

Project: Inland Empire Energy Center

Technical Staff: Amanda Stennick
Michael Berman

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.7-6	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sections 5.7.3 and 5.7.5.2	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.7-5	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.7-6	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 1 Date ~~8/27~~ 10/16/2001

Technical Area: **Noise**

Project: Inland Empire Energy Center

Technical Staff: Ron Brown

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Buntin/Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Page 5.9-1 to 5.9-30 Section 5.9	No-Yes	Provide a plan for monitoring power plant noise levels during and after startup.
Appendix B (g) (4) (A)	A land use map which identifies residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area impacted by the proposed project is that area where there is a potential increase of 5 dB(A) or more, during either construction or operation, over existing background levels.	Page 5.9-22 Section 5.9.3.3.6 Figure 5.9-6	Yes	
Appendix B (g) (4) (B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for duration at the applicant's discretion during the same 25-hour period. The results of the noise level measurements shall be reported in Leq (equivalent sound or noise level), Ldn (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L10, L50, and L90 values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported.	pp 5.9-7 to 5.9-13 Section 5.9.2	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 1 Date ~~8/27~~ 10/16/2001

Technical Area: **Noise**

Project: Inland Empire Energy Center

Technical Staff: Ron Brown

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Buntin/Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (4) (C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	Pages 5.9-20 to 5.9-24 Sections 5.9.3.3.4 to 5.9.3.3.8	No Yes	Provide a table containing sound levels for the major noise sources of the plant.
Appendix B (g) (4) (D)	An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project.	Pages 5.9-14 to 5.9-24 Sections 5.9.3.2 to 5.9.3.3.8	Yes	
Appendix B (g) (4) (E)	An estimate of the project noise levels within the project site boundary during both construction and operation and the impact to the workers at the site due to the estimated noise levels.	Pages 5.9-28 to 5.9-29 Section 5.9.6	Yes	
Appendix B (g) (4) (F)	The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines.	Page 5.9-4 Section 5.9.2	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Pages 5.9-28 to 5.9-30 Section 5.9.6	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 8/27 10/16/2001

Technical Area: Noise

Project: Inland Empire Energy Center

Technical Staff: Ron Brown

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Buntin/Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Page 5.9-30 Table 5.9-11	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pages 5.9-28 to 5.9-29 Section 5.9.6	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 5.9-30 Table 5.9-11	No Yes	Provide the contact persons name.
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	No permits required	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/28/01 10/17/01

Technical Area: **Project Overview**

Project: Inland Empire Energy Center

Technical Staff: Jim Bartridge

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Cal. Code Regs., tit. 20, § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Entire AFC	N/A	See individual technical sections
Cal. Code Regs., tit. 20, § 1704, (a) (3) (B)	Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and	Entire AFC	N/A	See individual technical sections
Cal. Code Regs., tit. 20, § 1704, (a) (3) (C)	A list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference	Entire AFC	N/A	See individual technical sections
Cal. Code Regs., tit. 20, § 1704, (a) (4)	Each principal subject area covered in a notice or application shall be set forth in a separate chapter or section, each of which shall identify the person or persons responsible for its preparation.	Entire AFC	Yes	
Appendix B (a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply, water supply, pollution control systems, and other general characteristics.	Page 1-1 to 1-4, Section 1.1-1.6	Yes	
Appendix B (a) (1) (B)	Identification of the location of the proposed site and related facilities by section, township, range, county and assessors parcel numbers.	Page 1-3, Section 1.5.1	Yes	
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Page 3-1, Section 3.1 Page 3-2, Section 3.2 Page 3-3 to 3-4, Figures 3.2.1 and 3.2.2	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/28/01 10/17/01

Technical Area: **Project Overview**

Project: Inland Empire Energy Center

Technical Staff: Jim Bartridge

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (a) (1) (D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction.	Page 3-7 to 3-9, Figures 3.4-1, 3.4-2, and 3.4-3 Page 5.10-43 to 5.10-46, Figures 5.10a, 5.10b, and 5.10c	Yes	
Appendix B (a) (1) (E)	In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities.	Appendix N	Yes	
Appendix B (a) (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	Page 3-48, Section 3.7	Yes	
Appendix B (a) (3) (A)	A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, thermal host, the geothermal leasehold, the geothermal resource conveyance lines, and the geothermal re-injection system, and a description of their legal interest in these facilities.	Page 1-2, Section 1.2 October 9, 2001 Data Adequacy Responses, Response #24	No Yes	Site owner is not identified.
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Page 1-3, Section 1.5.5 October 9, 2001 Data Adequacy Responses, Response #25	No Yes	Owner of facilities is not identified
Appendix B (a) (3) (C)	A description of the legal relationship between the applicant and each of the persons or entities specified in subsections (a)(3)(A) and (B).	Page 1-2, Section 1.2 Page 3-1, Section 3.1 Letter received October 16, 2001 from Motte Enterprises.	No Yes	Site control is not apparent.

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/28/01 10/17/01

Technical Area: **Project Overview**

Project: Inland Empire Energy Center

Technical Staff: Jim Bartridge

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (A)	Maps at a scale of 1:24,000 (1" = 2000'), along with an identification of the dedicated leaseholds by section, township, range, county, and county assessor's parcel number, showing the proposed final locations and layout of the power plant and all related facilities;	Page 3-4, Section 3.4.1 Figures 3.3-1, 3.3-1, 3.5-1, and 3.5-1	Yes	
Appendix B (b) (1) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities;	Page 3-4 Section 2.4.1 Figures 3.3-1, 3.3-2, 3.4-1, and 3.4-2	Yes	
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Page 3-4 to 3-41, Section 3.4 October 9, 2001 Data Adequacy Responses, Response #27	No Yes	Please clarify whether ammonia used will be gaseous or liquid (report says both)
Appendix B (b) (2) (A)	Maps at a scale of 1:24,000 of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s).	Page 3-58 to 3-65 Section 3.10	Yes	
Appendix B (b) (2) (B)	A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction.	Page 3-3 Figure 3.2-2 Page 5.10-4 Section 5.10.1.2 and 5.10.1.3, Figures 5.7-1, 5.7-2, 5.7-3, and 5.7-4	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/28/01 10/17/01

Technical Area: **Project Overview**

Project: Inland Empire Energy Center

Technical Staff: Jim Bartridge

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (c)	In a section entitled, "Demand Conformance" provide a discussion explaining how the proposed project conforms with the requirements of Public Resources Code § 25524 or Public Resources Code § 25540.6(a)(5). If the provisions of Public Resources Code § 25523.5 are applicable, explain how the project conforms with the requirements of this section. Additional data adequacy requirements may be contained in the Electricity Report applicable pursuant to Title 20, California Code of Regulations, § 1720.5.		N/A	
Appendix B (d) (1)	A copy of any study or analysis required by the terms of the Commission's Final Decision on the NOI, and a brief summary of the results of the study or analysis.		N/A	
Appendix B (d) (2)	Updates of any significant information which has changed since the Commission's Final Decision on the NOI.		N/A	
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Section 3.9	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 1 Date ~~August 28, 2001~~
October 31, 2001

Technical Area: **Public Health**

Project: Inland Empire Energy Center

Technical Staff: Alvin Greenberg

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 3.3 Sec. 5.2.2 Sec. 5.2.4 Sec. 5.15.1 Sec. 5.2.3.1 Sec. 5.2.3.2 Sec. 5.15.2 Sec. 5.15.3 Sec. 5.2.5 Appendix K-2	No-Yes	Public health impacts due to pre-construction site preparation and construction equipment diesel exhaust must be provided as well as proposed mitigation.
Appendix B (g) (9) (A)	A list of all toxic substances emitted by the project under normal operating conditions, which may cause an adverse public health impact as a result of acute, chronic, or sub-chronic exposure and to which members of the public may be exposed. This list should include, at a minimum, any pollutants emitted by the project that are listed pursuant to Health and Safety Code § 25249.8.	Table 5.15-3	Yes	
Appendix B (g) (9) (B)	A protocol describing the analysis which the applicant will conduct to determine the extent of potential public exposure to substances identified in subsection (g)(9)(A) resulting from normal facility operation. The analysis itself can be submitted after the AFC is complete.	Sec. 5.15.2 Appendix K.9	Yes	
Appendix B (g) (9) (C)	A map at a scale of 1:24,000, showing all terrain areas exceeding the elevation of the stack within a 10 mile radius of the facility.	Figure 5.15-1	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 1 Date ~~August 28, 2001~~
October 31, 2001

Technical Area: **Public Health**

Project: Inland Empire Energy Center

Technical Staff: Alvin Greenberg

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (9) (D)	A map at a scale of 1:24,000, showing the distribution of population and sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	Figure 5.15-2 Figure 5.8-1	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.15-9 Sec. 6.4.2 in-Table 6.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.15-9 Table 6.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 5.15-9 Sec. 6.4.2 in table 6.1-1	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.15-10	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.2-40	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/28/2001
10/10/2001

Technical Area: **Socioeconomics**

Project: Inland Empire

Technical Staff: Dr. Joseph Diamond

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC, Vol. I 5.8.1 Affected Environment, page 5.8-1. 5.8.2 Environmental Impacts, pages 5.8-4 to 5.8-5. 5.8.3 Construction Impacts, pages 5.8-5 to 5.8-8. 5.8.4 Operational Impacts, pages 5.8-8 to 5.8-10. 5.8.5 Mitigation Measures, page 5.8-11. 5.8.6 5.8.5 Cumulative Impacts, page 5.8-13. 5.8.7 Attachment 8, Response 30, pages 1 and 2.	No Yes	Please provide income and employment multipliers and impact analysis for direct and secondary (indirect and induced) components.
Appendix B (g) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:			

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/28/2001
10/10/2001

Technical Area: **Socioeconomics**

Project: Inland Empire

Technical Staff: Dr. Joseph Diamond

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	5.8.1.1 Existing and Projected Employment, pages 5.8-1 to 5.8-2. Construction Impacts on Education, page 5.8-7. Operation Impacts on Fiscal Resources and the Local Economy, page 5.8-10. Table 5.8-1 Potential Distribution of Annual Property Taxes to be Paid by the Energy Center, page 5.8-7. Table 5.8-2 Potential Distribution of Annual Sales Taxes to be Paid by the Energy Center, page 5.8-10. Attachment 8, Response 31, pages 2 and 3.	No Yes	Please provide a list of the applicable local agencies with taxing powers and the most recent and projected revenues.
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	5.8.1.2 Demographics and Community Trends, page 5.8-2. 5.8.1.3 Housing, page 5.8-2. Schools, page 5.8-4. Recreation, page 5.8-4. 5.8.3 Environmental Justice Screening Analysis, pages 5.8-10 to 5.8-11. Table 5.8-3 Population and Race Information for Census Tracts Near The Project, page 5.8-12. Table 5.8-4 Household Information for Census Tracts Near The Projected Site, page 5.8-13.	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 01 Date ~~8/28/2001~~
10/10/2001

Technical Area: Socioeconomics

Project: Inland Empire

Technical Staff: Dr. Joseph Diamond

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	5.8.1.1 Existing and Projected Employment, pages 5.8-1 to 5.8-2.	Yes	
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	5.8.2.1 Construction Impacts, Construction Impacts on Employment, pages 5.8-5 to 5.8-6. 5.8.2.2 Operational Impacts, Operational Impacts on Employment, page 5.8-8. 5.8.2.3 Table 3.7-2 Construction Staff by Month, page 3-51.	Yes	
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing; and	5.8.1.3 Housing, page 5.8-2.	Yes	
Appendix B (g) (7) (A) (vi)	Capacities, existing and expected use levels, and planned expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes, for the duration of the project construction schedule.	5.8.1.4 Public Services and Facilities, pages 5.8-3 to 5.8-4.	Yes	
Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project, including:			

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/28/2001
10/10/2001

Technical Area: **Socioeconomics**

Project: Inland Empire

Technical Staff: Dr. Joseph Diamond

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (i)	The number of workers to be employed each month by craft during construction and operation;	Table 3.7-2 Construction Staff by Trade by Month, page 3-51. 5.8.2.1 Construction Impacts, Construction Impacts on Employment, pages 5.8-5 to 5.8-6. Attachment 8, Response 32, page 4.	No Yes	Please list the number of workers by craft for operation.
Appendix B (g) (7) (B) (ii)	An estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project;	5.11.2.1 Construction Phase Impacts, pages 5.11-15 to 5.11-16. Table 5.11-5 Trip Generation Summary—Construction Phase, page 5.11-15. 5.8.2.1 Construction Impacts, Construction Impacts on Employment, pages 5.8-5 to 5.8-6. 5.8.2.2 Operational Impacts, Operational Impacts on Employment, page 5.8-8.	Yes	
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	Construction Impacts on Population, page 5.8-6. Operation Impacts on Population, pages 5.8-8 to 5.8-9.	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	Construction Impacts on Housing, page 5.8-6. Operation Impacts on Housing, page 5.8-9.	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 01 Date ~~8/28/2001~~
10/10/2001

Technical Area: **Socioeconomics**

Project: Inland Empire

Technical Staff: Dr. Joseph Diamond

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases;	5.8.2.2 Operational Impacts, Operational Impacts On Education, Recreation, and Public Services and Facilities, pages 5.8-9 to 5.8-10. 5.8.4 Cumulative Impacts, page 5.8-13. Construction Impacts on Education, page 5.8-7. Table 5.8-1 Potential Distribution of Annual Property Taxes to be Paid by the Energy Center, page 5.8-7.	Yes	
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	5.8.2.1 Construction Impacts, Construction Impacts on Education, page 5.8-7.	Yes	
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	5.8.2.1 Construction Impact, Construction impacts on Employment, pages 5.8-5 to 5.8-6. 5.8.2.2 Operational Impacts, Operational Impacts on Employment, page 5.8-8.	Yes	
Appendix B (g) (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project; and	Construction Impacts on Fiscal Resources and Local Economy, page 5.8-8. Operational Impacts on Fiscal Resources, page 5.8-10.	Yes	
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project.	Operation Impacts on Fiscal Resources and The Local Economy, page 5.8-10. Operational Impacts on Employment, page 5.8-8.	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 01 Date ~~8/28/2001~~
10/10/2001

Technical Area: **Socioeconomics**

Project: Inland Empire

Technical Staff: Dr. Joseph Diamond

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	5.8.6 Applicable Laws, Ordinances, Regulations and Standards (LORS), pages 5.8-13 and 5.8-14. Table 6.1-1 Inland Empire Energy Center Project Summary of LORS and Compliance, 6.5.8 Socioeconomics, page 6-11.	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Same as above.	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	5.8.4 Mitigation Measures, page 5.8-11. 5.8.6.2 Energy Center Compliance With Socioeconomic LORS, page 5.8-14.	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.8-5 Involved Agencies and Contacts, page 5.8-15.	Yes	
Appendix (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	5.8.8 Permits Required and Permit Schedule, page 5.8-14.	N/A	

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/28/01 10/1/01

Technical Area: **Traffic and Transportation**

Project: Inland Empire Energy Center

Technical Staff: Paul Taylor

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC Section 5.11 Pages 5.11-1 through 5.11-24	Yes	
Appendix B (g) (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	Section 5.11, Page 5.11-1 Figure 5.11-1	Yes	
Appendix B (g) (5) (B)	An identification, on topographic maps at a scale of 1:24,000 and a description of existing and planned roads, rail lines, including light rail, bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following information, where applicable:	Section 5.11, Figures 5.11-1, 5.11-3, 5.11-4	Yes	
Appendix B (g) (5) (B) (i)	Road classification and design capacity;	Section 5.11, Pages. 5.11-3 through 5.11-8 Table 5.11-3	Yes	
Appendix B (g) (5) (B) (ii)	Current daily average and peak traffic counts;	Section 5.11, Table 5.11-4	No Yes	On Page 5.11-13, there is a quantitative text discussion of the traffic volumes on I-215 and SR-74. The numbers cited in the text appear to be different from those in Table 5.11-4. Please reconcile the differences.

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/28/01 10/1/01

Technical Area: **Traffic and Transportation**

Project: Inland Empire Energy Center

Technical Staff: Paul Taylor

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	Section 5.11, Table 5.11-4 Table 5.11-6 Page 5.11-16, Pages 5.11-21 through 5.11-22	Yes	
Appendix B (g) (5) (B) (iv)	Weight and load limitations;	Section 5.11, Pages 5-11-10 through 5.11-11	Yes	
Appendix B (g) (5) (B) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	Section 5.11, Page 5.11-13	Yes	
Appendix B (g) (5) (B) (vi)	An identification of any road features affecting public safety.	Section 5.11, Page 5.11-13	Yes	
Appendix B (g) (5) (C)	A description of any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000.	Section 5.11, Page 5.11-4 Page 5.11-6	Yes	
Appendix B (g) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C).	Section 5.11, Pages 5.11-11 through 5.11-22	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 8/28/01 10/1/01

Technical Area: **Traffic and Transportation**

Project: Inland Empire Energy Center

Technical Staff: Paul Taylor

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (E)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	Section 5.11, Pages 5.11-11 through 5.11-12 Table 5.11-1	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 5.11, Pages 5.11-10 through 5.11-11 Page 5.11-16 Page 5.11-22 through 5.11-24	No Yes	Address Cal. Street and Highways Code regulations on encroachment permits and Caltrans' requirements for traffic controls for construction zones. Combine information on cited pages into a table which cross references sections in AFC addressing conformance.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 5.11, Table 5.11-8	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.11,5, Page 5.11-22	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 5.11, Table 5.11-8	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 5.11, Table 5.11-9	Yes	

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	Pages 3-46 to 3-48 AFC Supplement	No Yes	Provide the conductor type and the reasons it and 500 kV interconnection are going to be used.
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.	Pages 3-46 to 3-48	Yes	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	Pages 3-46 to 3-48 Appendix I	NoYes	Provide load flow diagrams demonstrating conformance or non-conformance with utility reliability and planning criteria for the first year of operation. Power flow diagrams (MW/%) must be provided for base case with and without the project. Powerflow diagrams must be provided for all n-0, n-1 and n-2 studies where overloads or voltage violations appear. <p>NOTE: Data requests will be forthcoming for an electronic copy of Power flow base cases (*.sav files) for GE PSLF program and for the transient stability analysis and post transient voltage analysis¹.</p>

¹ Given the short 4 month process a limited scope study may cause process delays.

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	Pages 3-46 to 3-48 and page 6-6	Yes	.
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Figure 6.1	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.	Part of Transmission line Safety and Nuisance	See TLSN	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.	Part of Transmission line Safety and Nuisance	N/A	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Page 6-6 AFC Supplement response #37	No Yes	California ISO, FERC and WSCC standards were not on the table on page 6-6.

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Page 6-6 AFC Supplement response #37	No Yes	California ISO, FERC and WSCC standards were not on the table on page 6-6.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC Supplement Response #39	No Yes	CPUC GO 95 was included in the table on page 6-6 but was not discussed in Appendix E.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Appendix I	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Appendix I	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 01 Date Oct. 15, 2001

Technical Area: Visual Resources

Project: Inland Empire Energy Center

Technical Staff: Gary Walker

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.10 October 9, 2001 Data Adequacy Responses.	No Yes	Submittal of the information requested below will satisfy this requirement.
Appendix B (g) (6) (A)	Descriptions of the existing visual setting of the vicinity of the project, the region that can be seen from the vicinity of the project, and the proposed project site. Include:	Pages 5.10-1 through 5.10-11, Section 5.10.1. October 9, 2001 Data Adequacy Responses.	No Yes	Submittal of the information requested below will satisfy this requirement.
Appendix B (g) (6) (A) (i)	Topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E);	Figures 5.10-1, 5.10-2a, and 5.10-2b. October 9, 2001 Data Adequacy Responses, Response # 48, Revised Figures 5.10-1, 5.10-2a, and 5.10-2b.	No Yes	The AFC (p.5.10-4) states that "the boundaries of the viewshed were set at 3 miles from the plant." However, none of the figures shows the 3-mile radius. Also, none of the figures are at a scale of 1:24,000. Please revise Figure 5.10-1 to show the 3-mile boundary. This will require either changing the scale to 1:24,000 or providing oversize figures. Please revise Figures 5.10-2a and 5.10-2b to show the 3-mile radius.
Appendix B (g) (6) (A) (ii)	Elevations of any existing structures on the site; and		N/A	
Appendix B (g) (6) (A) (iii)	The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities.	Pages 5.10-1 through 5.10-11 Section 5.10.1.	Yes	
Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	Pages 5.10-7 through 5.10-5.10-11, Section 5.10.1.4.	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 01 Date Oct. 15, 2001

Technical Area: **Visual Resources**

Project: Inland Empire Energy Center

Technical Staff: Gary Walker

Project Manager: Jim Bartridge

Docket: 01-AFC-17

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (C)	After discussions with staff and community residents who live in close proximity to the proposed project, identify the scenic corridors and any visually sensitive areas potentially affected by the proposed project, including recreational and residential areas. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. For purposes of this section, a scenic corridor is that area of land with scenic natural beauty, adjacent to and visible from a linear feature, such as a road, or river.	Pages 5.13-11 through 5.13-14, Section 5.13.2.4. October 9, 2001 Data Adequacy Responses, Response #49.	No-Yes	The AFC (p.5.10-7) states that KOP 1 represents "a small number of rural residences" along the western side of the southern portion of Dawson Road, and "residents of the rural residential neighborhood along Almaden Lane and Airstream Way." Please specify the number of residences on the western side of the southern portion of Dawson Road, and estimate the number of residences in the residential neighborhood along Almaden Lane and Airstream Way. The AFC (p.5.10-7) states that KOP 2 represents, in part, the rural residential area to the south" who travel north along Dawson Road. Please estimate the number of these residences. The AFC (p.5.10-8) states that KOP 3 represents residents and travelers in the area along Ethanac Road, and residents and travelers on nearby areas of Tyler, Harrison, and Van Buren Avenues. Please estimate the number of residences with potential views of the site from this area and the number of travelers on the roads specified. The AFC (p.5.10-10 and 5.10-11) states that KOP 6 represents, in part, travelers on Menifee Road. The Traffic and Transportation section of the AFC states that the ADT on a nearby portion of Menifee Road is 6,184. Please estimate the daily number of vehicles on Menifee Road with views of the gas compressor station from the vicinity of KOP 6.
Appendix B (g) (6) (D)	A description of the dimensions, color, and material of each major visible component of the project.	Pages 5.10-17 and 5.10-26; Table 5.10-2 (p.5.10-14).	Yes	

Adequacy Issue: Adequate **X** Inadequate _____

DATA ADEQUACY WORKSHEET

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Appendix B (g) (6) (E)	Full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project in the existing setting from each location representative of the view areas most sensitive to the potential visual impacts of the project.	Figures 5.10-5a through 5.10-10c.	Yes	
Appendix B (g) (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	Pages 5.10-11 through 5.10-26, Sections 5.10.2 and 5.10.3.	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.10-3.	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.10-3.	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Tables 5.10-4 through 5.10-6, Pages 5.10-30 through 5.10-37.	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.10-3.	Yes	

Adequacy Issue: Adequate **X** Inadequate _____

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Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		N/A	